

Content Platforms Meet Data Storage, Retrieval Needs



Goddard Space Flight Center

**Hitachi Data Systems Corporation
Santa Clara, California**

NASA Technology

- ◆ Earth is under a constant barrage of information from NASA's probes, spacecraft, and satellites
- ◆ One of NASA's data archives now holds 4.5 petabytes of data, or 90 million filing cabinets' worth
- ◆ NASA sought to produce a single, consolidated, and scalable repository of digital data

Partnership

- ◆ In 2004, NASA partnered with Archivas Inc. to preserve and make accessible data repositories
- ◆ The resulting technology allowed multiple protocols and applications to make use of the same data set
- ◆ Hitachi Data Systems purchased Archivas and developed the technology into a system that won an "Information Management Innovation Award" from *Information Age* magazine



Benefits

- ◆ The Hitachi Content Platform (HCP) is capable of scaling up to a 40-petabyte capacity
- ◆ HCP also provides secure content management for large companies, in one case achieving an 80-percent increase in administrative efficiency
- ◆ The system is also ideal for cloud-computing applications